

REMARKS/ARGUMENTS

The undersigned gratefully acknowledges and thanks the Examiner for the telephonic interview which occurred on September 20, 2007, in which the above amendment to claim 9 was discussed, which is believed to overcome the §112 and prior art rejections.

Applicants gratefully acknowledge the indication that claim 39 is objected as being dependent on a rejected base claim. The subject matter of claim 39 and the intervening claims from which it depends has been incorporated into independent claim 34. Thus claim 34 and the claims depending therefrom are patentable.

Regarding the §112, first paragraph rejection of claims 9-17, the rejection is overcome in light of the amendment to claim 9. Specifically, claim 9 has been amended to recite that the plurality of buffers are present within a memory controller coupled to a processor core. Support for this amendment can be found, for example, at paragraph 22 of the original Specification. Furthermore, this amendment overcomes the prior art rejection of claims 9 and the claims depending therefrom, as Mayfield nowhere teaches or suggests that buffers as set forth in claim 9 are present within a memory controller coupled to a processor core. Instead, the Office Action contends that the recited buffers are met by cache lines in a L1 cache of Mayfield. Accordingly, in light of the amendment to claim 9, this claim and its dependent claims are patentable.

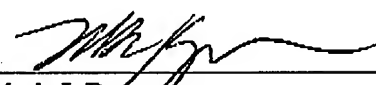
Claim 13 has been amended to overcome the §112, second paragraph rejection.

Applicants gratefully acknowledge the indication that claims 1-8 and 40-45 are allowed. In light of the above remarks and amendments it is respectfully submitted that all pending claims are now in condition for allowance.

In view of these remarks, the application is now in condition for allowance and the Examiner's prompt action in accordance therewith is respectfully requested. The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 20-1504.

Respectfully submitted,

Date: 9/20/07


Mark J. Rozman
Registration No. 42,117
TROP, PRUNER & HU, P.C.
1616 S. Voss Road, Suite 750
Houston, Texas 77057-2631
(512) 418-9944 [Phone]
(713) 468-8883 [Fax]
Customer No.: 21906